TENNESSEE DEPARTMENT OF EDUCATION
FIRST TO THE TOP

Supervised Agricultural Experience (SAE)

Primary Career Cluster:	Agriculture, Food and Natural Resources
Consultant:	Steven Gass, (615) 532-2847, Steven.Gass@tn.gov
Course Code(s):	5964
Prerequisite(s):	None
Credit:	½ credit each year, up to a maximum of 2 credits per student
Grade Level:	9-12
Graduation Requirements:	This course satisfies ½ credit of three credits required for an elective focus when taken in conjunction with other Agriculture courses.
Programs of Study and Sequence:	This course can be used to supplement all Agriculture, Food and Natural Resources programs of study and is designed to evolve with a student through high school.
Aligned Student Organization(s):	FFA: http://www.tnffa.org Allie Ellis, (615) 253-5207, Allie.Ellis@tn.gov
Coordinating Work-Based Learning:	All Agriculture students are encouraged to participate in a Supervised Agricultural Experience (SAE) program. In addition, Teachers are encouraged to use embedded WBL activities. For information, visit http://tn.gov/education/cte/work_based_learning.shtml.
Available Student Industry Certifications:	None
Dual Credit or Dual Enrollment Opportunities:	There are no statewide dual credit/dual enrollment opportunities for this course. If interested in establishing a local opportunity, reach out to a local postsecondary institution.
Teacher Endorsement(s):	048, 150, 448
Required Teacher Certifications/Training:	None
Teacher Resources:	http://www.tn.gov/education/cte/AgricultureFoodNaturalResources.shtml

Course Description

A *Supervised Agricultural Experience* (SAE) is a structured experiential learning opportunity that takes place in a setting outside of regular school hours. Individual LEAs can choose whether or not to offer credit, provided participating students demonstrate mastery of the standards outlined below. SAEs allow students to experience the diversity of agriculture and natural resources industries and to gain exposure to agricultural-related career pathways. SAEs require a documented formal project scope, accurate recordkeeping, and student advisor supervision. The following SAE standards align to the overarching framework of the Tennessee State Standards for English Language Arts & Literacy in

Approved April 10, 2015

Technical Subjects, the National Agriculture, Food, and Natural Resources (AFNR) Career Cluster Content Standards, and the Partnership for 21st Century Skills Framework for 21st Century Learning.*

Program of Study Application

This course can be used to supplement all AFNR programs of study. For more information on the benefits and requirements of implementing these programs in full, please visit the Agriculture, Food and Natural Resources website at
http://www.tn.gov/education/cte/AgricultureFoodNaturalResources.shtml.

Course Standards

Principles of Supervised Agricultural Experience (SAE) Programs

1) Examine the general philosophy and objectives of SAE programs. Identify and describe the types of SAEs, their applications, and benefits. Types of offerings include:
    a. **Exploratory**: Learn about the big picture of agriculture and its many related careers
    b. **Research/Experimentation and Analysis**: Conduct research and analyze information to discover new knowledge
    c. **Ownership/Entrepreneurship:** Plan and operate an agriculture-related business
    d. **Work-Based Learning (WBL) Placement or Internship**: Work (paid or unpaid) for a business or individual

2) Choose a specific project or WBL placement to build knowledge and skills in a particular agriculture area. Articulate how the knowledge and skills learned in a specific SAE program will benefit preparation for agriculture- and natural resources-related careers. Conduct at least 180 hours of research, work, or activities related to the chosen SAE project.

Project Management and Recordkeeping Skills

3) Formulate annual SMART goals for the SAE project or placement and apply the concepts of project planning to monitor and evaluate SAE progress.

4) Accurately maintain a prescribed recordkeeping system and apply proper financial recordkeeping skills as required by the specific project.

Personal and Career Growth

5) Develop personal SMART goals and conduct activities (such as updating a professional resume or joining a professional organization) to work toward individual and career development.

6) Explore and compare local and regional career opportunities from multiple sources such as the United States Bureau for Labor Statistics and the Tennessee Department of Labor and Workforce Development. Identify and develop knowledge and technical skills necessary for selected careers or job shadowing by linking specific attributes to development activities outlined in SAE SMART goals.

Leadership Skills

7) Examine the leadership skills needed for careers in agriculture and natural resources industries and engage youth leadership opportunities to practice and develop effective leadership skills, such as teamwork, decision making, problem solving, critical thinking, and time management.

8) Demonstrate a working knowledge of parliamentary procedure. When appropriate, conduct meetings and facilitate discussions in accordance with Robert's Rules of Order.

Interpersonal and Communication Skills

9) Demonstrate positive interpersonal skills to work effectively with others and maintain successful professional relationships.

10) Demonstrate the ability to communicate effectively with diverse groups and individuals. Compare and contrast elements of formal and informal communication, and demonstrate appropriate written, verbal, and nonverbal communication skills.

11) Develop public speaking skills by planning, preparing, revising, and delivering public presentations about the results and overall impact of the SAE project at local science/agricultural fairs, school activities, and/or participation in career development events.

Occupational Safety

12) Interpret general occupational health and safety standards. Demonstrate appropriate health and safety procedures for agriculture and natural resources activities aligned with SAE project.

Occupational Ethics

13) Identify and discuss occupational ethics, legal responsibilities, and regulatory compliance issues in relation to specific activities and/or careers aligned with SAE project.

Information Literacy

14) Use a variety of methods to assemble and evaluate information for the purposes of technical research, scientific inquiry, and investigation.

Standards Alignment Notes

*References to other standards include:
- TN Reading: Tennessee State Standards for English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects; Reading Standards for Literacy in Science and Technical Subjects 6-12; as appropriate to grade level (page 62).
  - Note: While not directly aligned to specific standards, students who are engaging in activities outlined above should be encouraged by their agriculture instructor to follow expectations for their grade level for reading and comprehending informational texts.

- TN Writing: [Tennessee State Standards for English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects](); Writing Standards for Literacy in History/Social Studies, Science, and Technical Subjects 6-12; as appropriate to grade level (pages 64-66).
    - Note: While not directly aligned to the specific standards, students who are engaging in activities outlined above should be encouraged by their agriculture instructor to follow expectations for their grade level for research and production of discipline-specific formal writing products.
- AFNR: [National Agriculture, Food and Natural Resources (AFNR) Career Cluster Content Standards](): Students engaged in activities outlined above should be able to demonstrate fluency in Standards CS.01, CS.02, CS.03, CS.07, CS.09, CS.10, and CS.11 at the grade appropriate level.
- P21: Partnership for 21st Century Skills [Framework for 21st Century Learning](): Students engaged in activities outlined above should be able to demonstrate fluency in 21st Century Themes, Learning and Innovation Skills, Information and Media Technology Skills, and Life and Career Skills.